

IN THE CLAIMS

Please amend the claims as follows:

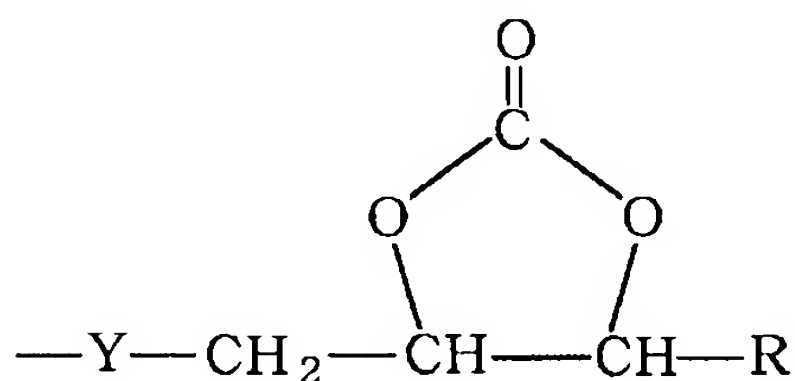
1. (Previously Presented) An electrolyte composition comprising a polymer component (A) having a weight average molecular weight of 10,000 to 5,000,000 and an electrolyte component (C), wherein:

said polymer component (A) is:

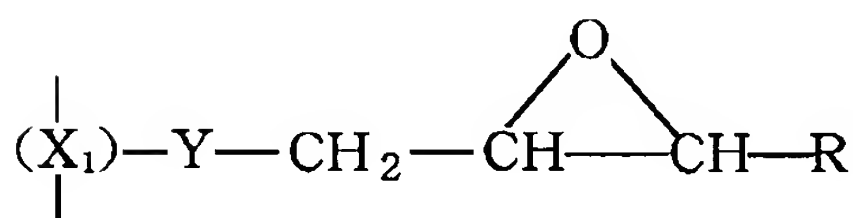
(A-1) a (co)polymer comprising at least one cyclocarbonato group represented by formula (1), obtained by reacting carbon dioxide with a (co)polymer represented by formula 2, and/or

(A-2) a (co)polymer obtained by (co)polymerizing a monomer comprising at least one cyclocarbonato group represented by the below-described formula (1), which has been obtained by reacting carbon dioxide with a monomer represented by formula 3

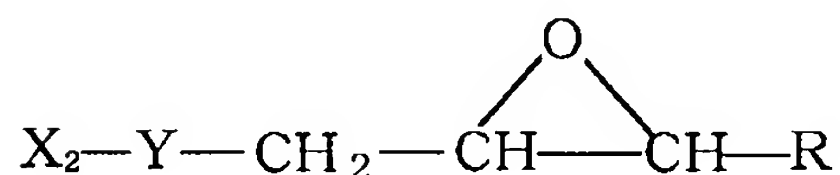
Formula (1):



Formula (2):



Formula (3):



wherein R represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, X_1 represents a polymerization residual group of an α,β -unsaturated carboxylic acid, X_2 represents a reaction residual group of an α,β -unsaturated carboxylic acid, and Y represents $-\text{CO}\cdot\text{O}-$.

2. (Cancelled)

3. (Previously Presented) An electrolyte composition according to claim 1, wherein each of said α,β -unsaturated carboxylic acids is at least one α,β -unsaturated carboxylic acid selected from the group consisting of acrylic acid, methacrylic acid, crotonic acid, maleic acid, fumaric acid and itaconic acid.

4. (Currently Amended) An electrolyte composition according to claim 1, wherein said polymer component (A) is said (co)polymer A-1 and said (co)polymer ~~which comprises at least one epoxy group~~ A-1 is a homopolymer of glycidyl methacrylate ~~or a copolymer of glycidyl methacrylate and another one or more monomer(s).~~

5. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a noncrosslinked (co)polymer.

6. (Cancelled)

7. (Cancelled)

8. (Original) An electrolyte composition according to claim 1, wherein said electrolyte component (C) is at least one compound selected from the group consisting of compounds which form lithium ions, sodium ions, potassium ions, ammonium ions or tetraalkylammonium ions.

9. (Original) An electrolyte composition according to claim 8, wherein said electrolyte component (C) is at least one compound selected from the group consisting of lithium bromide, lithium iodide, lithium thiocyanate, lithium perchlorate, lithium tetrafluoroborate, lithium hexafluorophosphate, lithium trifluoromethanesulfonate, lithium bis(trifluoromethanesulfonyl)amide, tetraethylammonium perchlorate, tetraethylammonium tetrafluoroborate, and tetraethylammonium hexafluorophosphate.

10. (Original) An electrolyte composition according to claim 1, further comprising at least one organic solvent selected from the group consisting of ethylene carbonate, propylene carbonate, dimethyl carbonate, diethyl carbonate, methyl ethyl carbonate, vinylene carbonate, γ -butyrolactone, diphenyl carbonate and high molecular weight solvents each having one cyclocarbonato group in a molecule.

11. (Previously Presented) An electrolyte film comprising an electrolyte composition according to Claim 1.

12. (Previously Presented) An electrolyte film according to claim 11 wherein said electrolyte film comprises an organic solvent and is in a wet state.

13. (Previously Presented) An electrolyte film according to claim 11 wherein said electrolyte film is retained in shape by at least one shape-retaining material selected from a woven fabric, a nonwoven fabric, a woven and/or nonwoven, bonded fabric, and a porous polyolefin film.

14. (Previously Presented) A battery or electric double layer capacitor comprising an electrolyte composition according to Claim 1.

15. (Previously Presented) A battery or electric double layer capacitor comprising an electrolyte film according to Claim 11.

16. – 21. (Cancelled)

22. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a crosslinked (co)polymer.

23. (Previously Presented) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises a noncrosslinked (co)polymer and a crosslinked (co)polymer.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (New) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises (A-1).

28. (New) An electrolyte composition according to claim 1, wherein said polymer component (A) comprises (A-2).

29. (New) An electrolyte composition according to claim 3, wherein said polymer component (A) comprises (A-1).

30. (New) An electrolyte composition according to claim 3, wherein said polymer component (A) comprises (A-2).

31. (New) An electrolyte composition according to claim 1, wherein said polymer component (A) is non-crosslinked.

32. (New) An electrolyte composition according to claim 27, wherein said polymer component (A) is non-crosslinked.

33. (New) An electrolyte composition according to claim 28, wherein said polymer component (A) is non-crosslinked.